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1. 16.1-FH1: Technological Enhancements to Improve and Expand Casual Carpooling Systems

Release Date: 10-14-2015Open Date: 10-14-2015Due Date: 12-16-2015Close Date: 12-16-2015

Traditional carpooling declined in the United States from a 20% mode share in 1980 to 13% in 1990, and then to 10% in 2004, after which it has remained stable at this low level. A variation on the traditional carpool, casual carpooling, occurs in three U.S. metropolitan areas (Washington, D.C., San Francisco, and Houston) and may be an important strategy to help reverse this downward trend. While ...

SBIR Department of Transportation

2. 16.1-FH2: Connected Bicycle: Communicating with Vehicles and Infrastructure

Release Date: 10-14-2015Open Date: 10-14-2015Due Date: 12-16-2015Close Date: 12-16-2015

The connected vehicles program is a multimodal U.S. DOT initiative that applies the potentially transformative capabilities of wireless technology to make surface transportation safer, smarter, and greener. One of the emerging technologies for vehicle-to-infrastructure (V2I) and vehicle-tovehicle (V2V) communication is Dedicated Short Range Communications (DSRC). DSRC can support communication bet ...

SBIR Department of Transportation

3. 16.1-FT1: Pedestrian and Cyclist Detection Devices for Transit Buses

Release Date: 10-14-2015Open Date: 10-14-2015Due Date: 12-16-2015Close Date: 12-16-2015

Data are limited about the full extent of bicycle and pedestrian use, but the evidence indicates that the use of these modes is on the rise. Data from the National Household Travel Survey (NHTS) from 2001 and 2009, a period during which bicyclist and pedestrian fatalities was decreasing, identified a slight increase in walking, and almost no change in the number of people bicycling. Although NHTS ...

SBIR Department of Transportation

4. 8.2: Plant Production and Protection- Biology

Release Date: 07-02-2015Open Date: 07-02-2015Due Date: 10-08-2015Close Date: 10-08-2015

The objective of this topic area is to examine means of enhancing crop production. This topic area supports the following National Challenge Areas: Food Security; Climate Variability and Change; Bioenergy; and Food Safety.

SBIR Department of Agriculture

5. 8.3: Animal Production and Protection

Release Date: 07-02-2015Open Date: 07-02-2015Due Date: 10-08-2015Close Date: 10-08-2015

The Animal Production and Protection topic area aims to develop innovative, marketable technologies that will provide significant benefit to the production and protection of agricultural animals.

SBIR Department of Agriculture

6. 8.4: Air, Water and Soils

Release Date: 07-02-2015Open Date: 07-02-2015Due Date: 10-08-2015Close Date: 10-08-2015

The Air, Water and Soils topic area aims to develop technologies for conserving and protecting air, water and soil resources while sustaining optimal farm and forest productivity.

SBIR Department of Agriculture

7. 8.5: Food Science and Nutrition

Release Date: 07-02-2015Open Date: 07-02-2015Due Date: 10-08-2015Close Date: 10-08-2015

The Food Science and Nutrition topic area aims to fund projects that support research

focusing on developing new and improved processes, technologies, or services that address emerging food safety, food processing and nutrition issues.

SBIR Department of Agriculture

8. 8.6: Rural and Community Development

Release Date: 07-02-2015Open Date: 07-02-2015Due Date: 10-08-2015Close Date: 10-08-2015

Applications may be submitted for the development of new technology, or for the utilization of existing technology, that address important economic and social development issues or challenges in rural America.

SBIR Department of Agriculture

9. 8.7: Aquaculture

Release Date: 07-02-2015Open Date: 07-02-2015Due Date: 10-08-2015Close Date: 10-08-2015

The Aquaculture topic area aims to develop new technologies that will enhance the knowledge and technology base necessary for the expansion of the domestic aquaculture industry as a form of production agriculture.

SBIR Department of Agriculture

10. 8.8: Biofuels and Biobased Products

Release Date: 07-02-2015Open Date: 07-02-2015Due Date: 10-08-2015Close Date: 10-08-2015

The objective of this topic area is to promote the use of biofuels and non-food biobased products by developing new or improved technologies that will lead to increased production of biofuels, industrial chemicals, and other value-added products from agricultural materials.

SBIR Department of Agriculture

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